



Department of Health and Human Services Medical Response to Nuclear and Radiological Terrorism



Public Health Training Network Webcast
Course Overview Site: <http://www.phppo.cdc.gov/PHTN/radiation-04/>

February 10, 2004

1:00 - 2:00 PM ET

PLEASE ADJUST TIMES FOR YOUR TIMEZONE

The events of September 11, 2001, proved that terrorists will go to great lengths to cause harm to and disrupt the lives of the American people. The chance that an overt or covert event will occur that involves radioactive materials is an unfortunate reality in the United States. The caves of Afghanistan held plans for the creation of radiological dispersal devices, and opportunities exist for terrorist groups to obtain other nuclear devices. The detonation of such weapons could result in mass casualties, radiation-related illnesses, and contaminated victims. This broadcast will provide clinicians with the most current information on the following topics: possible radiological scenarios, basic information on radiation and protection for clinicians, medical management of victims of a radiological incident, and decontamination and treatment of victims. A question and answer session will enable participants nationwide to pose questions to panelists via a toll free telephone, fax, or TTY lines.

Goals

- Provide clinicians with the following information related to radiation: the difference between penetrating and non-penetrating radiation, radiation protection for clinicians, health effects of radiation exposure, and scenarios that may result in radiation exposure or contamination with radioactive materials.
- Provide clinicians with the following information on medical management of a radiological emergency: radiological injuries, decontamination, and initial stabilization and treatment.

Objectives

At the end of the series, participants will be able to:

- Explain basic principles of radiation.
- Explain the difference between penetrating and non-penetrating radiation.
- Explain how radiation can affect health.
- Explain basic radiation protection principles.
- Recognize acute radiation syndrome (ARS).
- Treat acute radiation syndrome (ARS).
- Recognize radiation-related injuries.
- Treat radiation-related injuries
- Explain the difference between exposure to and contamination with radiation.
- Triage victims of radiological incidents.
- Decontaminate victims of a radiological incident.
- Design a treatment area to minimize the possibility of further facility contamination.
- Identify the Biodosimetry Assessment Tool software developed by the Armed Forces Radiobiology Research Institute.

Target Audience

Emergency physicians, hospitalists, nurse practitioners, physician assistants, nurses, and other clinical emergency room personnel.

Faculty

James Smith, Ph.D., Assistant Director for Radiation Health Physicist, Environmental Hazards and Health Effects (EHHE), National Center for Environmental Health (NCEH), Centers for Disease Control and Prevention (CDC).

Fun Fong, MD, FACEP

Emergency room physician, Senior Medical Officer of the Georgia-3 Disaster Medical Assistance Team (GA-3 DMAT) and former Director of Radiation Medicine at the Medical Sciences Division of Oak Ridge Associated Universities (ORAU).

Continuing Education Credit

Continuing education credit will be offered for various professions based on 1 hour of instruction.

Registration Information

Visit the *CDC/ATSDR Training and Continuing Education Online System* at <http://www.phppo.cdc.gov/phtnonline> to register online for these courses. **Site registration has begun. Participant registration will be available on day of broadcast.**

Course numbers are listed below:

Live Satellite Broadcast - SB0150

Webcast - WC0050

Web-on-demand - WD0037

Live satellite broadcast (SBO150) and Webcast (WC0050) availability begins February 10, 2004, and closes March 12, 2004.
Web-on-Demand (WD0037) begins March 15, 2004 and ends February 10, 2007.

You **must** use the [online system](#) to **receive continuing education credit**. Participants must register and complete an evaluation for the activity.

Individuals who have questions about registration should call **1-800-41-TRAIN** or email ce@cdc.gov. For additional questions regarding program content please email cdcresponse@ashastd.org. When emailing a question, please indicate *Medical Response to Nuclear and Radiological Terrorism* in the subject line.

Additional Resources

- Physician information on prenatal radiation exposure and acute radiation syndrome (ARS) as well as "Interim Guidelines for Hospital Response to Mass Casualties from a Radiological Incident" at <http://www.bt.cdc.gov/radiation/>.
- For information on treating radiation injuries, contact Oak Ridge Institute for Science and Education (ORISE) Radiation Emergency Assistance Center/Training Site (REAC/TS) web site <http://www.ornl.gov/reacts/>.
- CDC Clinician Information Line 877-554-4625.
- For Emergency Preparedness Response information visit <http://www.bt.cdc.gov/contactus.asp>

Webcast Information

This program will have a [live webcast](#) and will also be available for viewing after the live broadcast date at

<http://www.phppo.cdc.gov/phtn/webcast/radiation-04/default.asp>.

Satellite Technical Specifications

The broadcast will be available on C and Ku-bands. Satellite coordinates are listed on page 3. Call 888-232-3299 (or 877-232-1010 for the hearing impaired) and enter document #130026 when prompted.

Partners

National Center for Environmental Health, the Public Health Training Network, the Division of Professional Development and Evaluation, Public Health Practice Program Office, CDC



Medical Response to Nuclear and Radiological Terrorism



February 10, 2004

1:00 - 2:00 PM ET

PLEASE ADJUST TIMES FOR YOUR TIMEZONE

| | |
|--|--|
| Signal Test Date and Time February 9, 2004 1:00 - 2:00 PM ET <small>Same coordinates for signal test and broadcast</small> | |
| Broadcast Date and Time February 10, 2004 1:00 - 2:00 PM ET <small>Color bars and tone begin 30 minutes before broadcast</small> | |
| C-Band Satellite: Galaxy-4R Longitude: 99 degrees West Channel: 21 Downlink Frequency: 4120 MHz Polarization: Horizontal Audio Frequency: 6.2 & 6.8 | Ku-Band Satellite: SBS-6 Longitude: 74 degrees West Channel: 07 Downlink Frequency: 11872 MHz Polarization: Horizontal Audio Frequency: 6.2 & 6.8 |
| Broadcast will be closed-captioned | |

To Contact Us During the Program:

Voice: 800-793-8598
[International callers 404-639-0180]

FAX: 800-553-6323
[International callers, 404-639-0181]

TTY: 800-815-8152
[International callers, 404-639-0182]

Technical Assistance for satellite downlinking
ONLY: 800-728-8232
[International callers 404-639-1289]

Email: cdcresponse@ashastd.org
[please type *Medical Response to Nuclear and Radiological Terrorism* in the subject line]

Audiobridge Information

In the event you are unable to receive the signal on program day, you may join by audiobridge.

- **USA Toll Free:** 888-560-6184
- **USA Toll Number:** 1-484-630-9369

For security reasons, the pass code and leader's name listed below will be required to join the call.

- **Pass Code:** 56266
- **Leader:** JO ANN BITTLE

If you have problems during your audiobridge conference, you may call 800-728-8232 or International callers dial 404-639-1289.